



LLP-1: RVIEVVQGACRAIRHIPRRIRQGLERIL
SA-5: RVIRVVQ**R**ACRAIRHI**V**RRIRQGL**RR**IL
LSA-5: RVIRVVQ**R**ACRAIRHI**V**RRIRQGL**RR**IL**RVV**
WLSA-5: **R**WIRVVQ**RW**CRAIRHI**W**RRIRQGL**RRW**L**RVV**

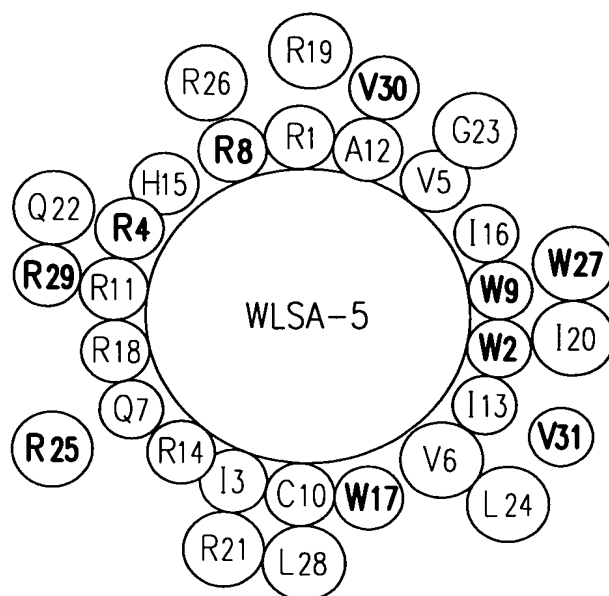
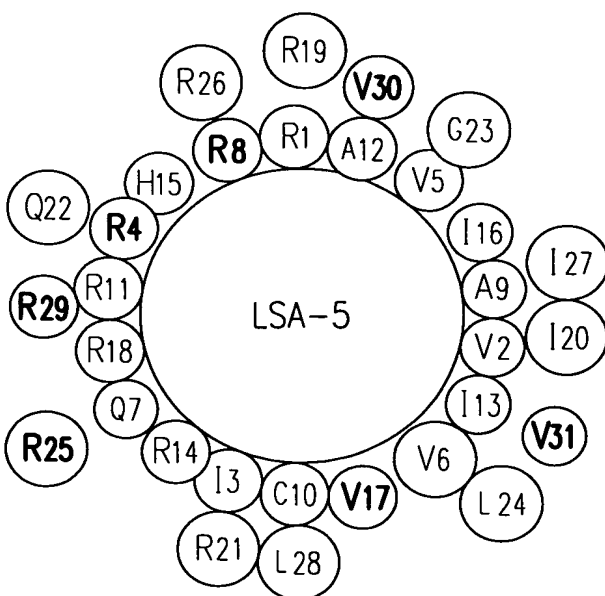
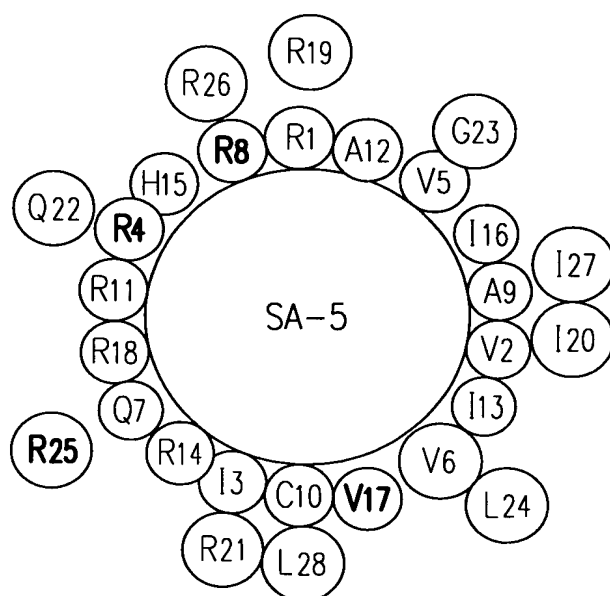
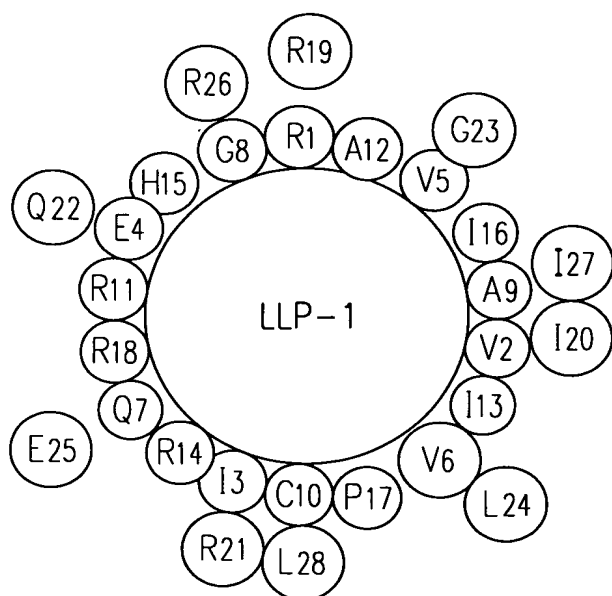


FIG.1

LBU-1	RVRVRRRVRR	(SEQ ID NO:4)
LBU-2	RRVRRRVRRVRRRVRR	(SEQ ID NO:5)
LBU-3	VRRVRRRVRRVRRRVRRRVRRRVRR	(SEQ ID NO:6)
LBU-3.5	RRVRRRVRRRVRRRVRRRVRRRVRRRVRR	(SEQ ID NO:7)
LBU-4	RVRVRRRVRRRVRRRVRRRVRRRVRRRVRR	(SEQ ID NO:8)
WLBu-1	RVRVRRRVRR	(SEQ ID NO:9)
WLBu-2	RRVRRRVRRVRRRVRRRVRR	(SEQ ID NO:10)
WLBu-3	VRRVRRRVRRRVRRRVRRRVRRRVRRRVRR	(SEQ ID NO:11)
WLBu-4	RVRVRRRVRRRVRRRVRRRVRRRVRRRVRRRVRRRVRR	(SEQ ID NO:12)

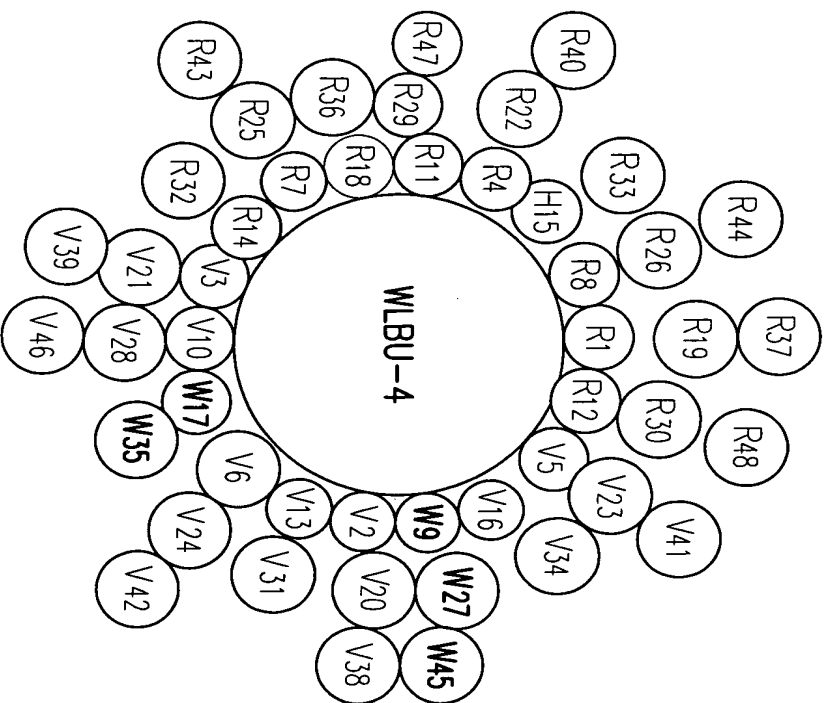
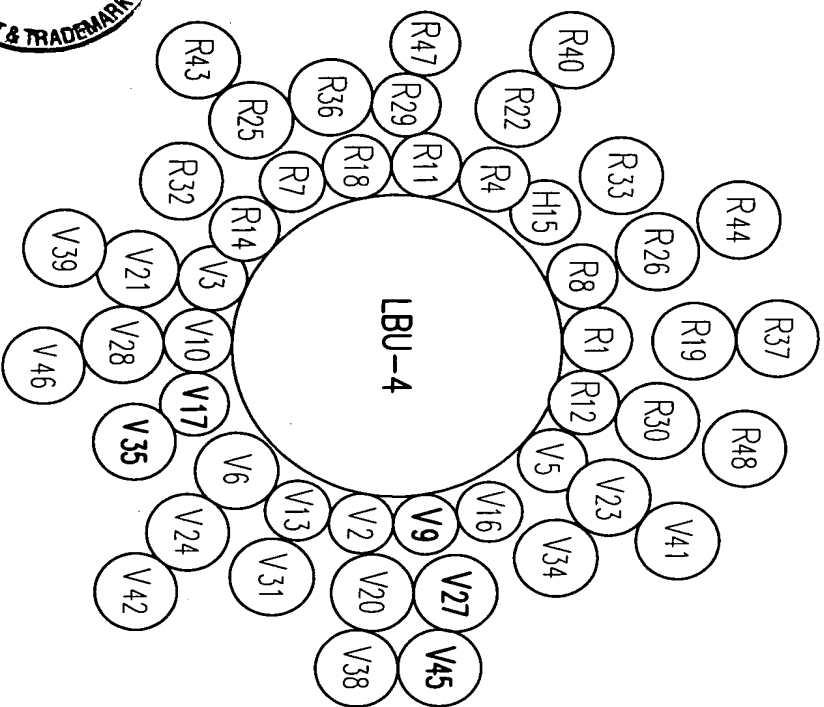


FIG. 2



KILLING OF *P. AERUGINOSA* BY LL37 & WLSA-5 IN 10 mM PB

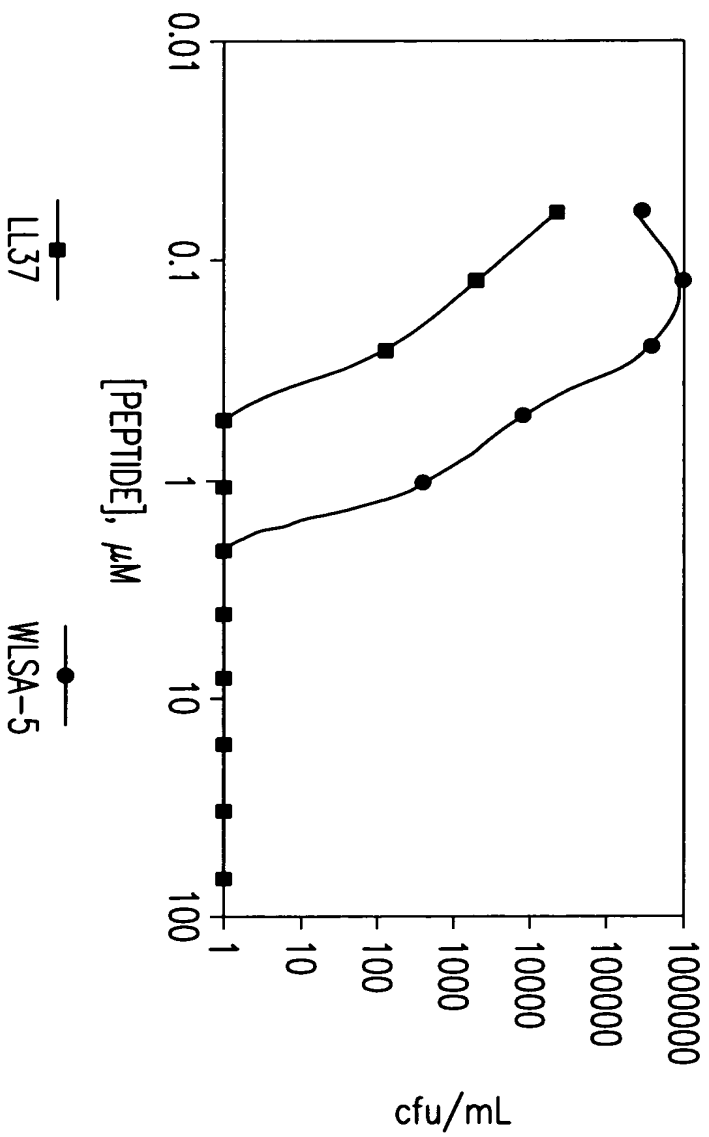


FIG.3



KILLING OF *S. AUREUS* BY LL37 & WLSA-5 IN 10 mM PB PLUS 150 mM NaCl

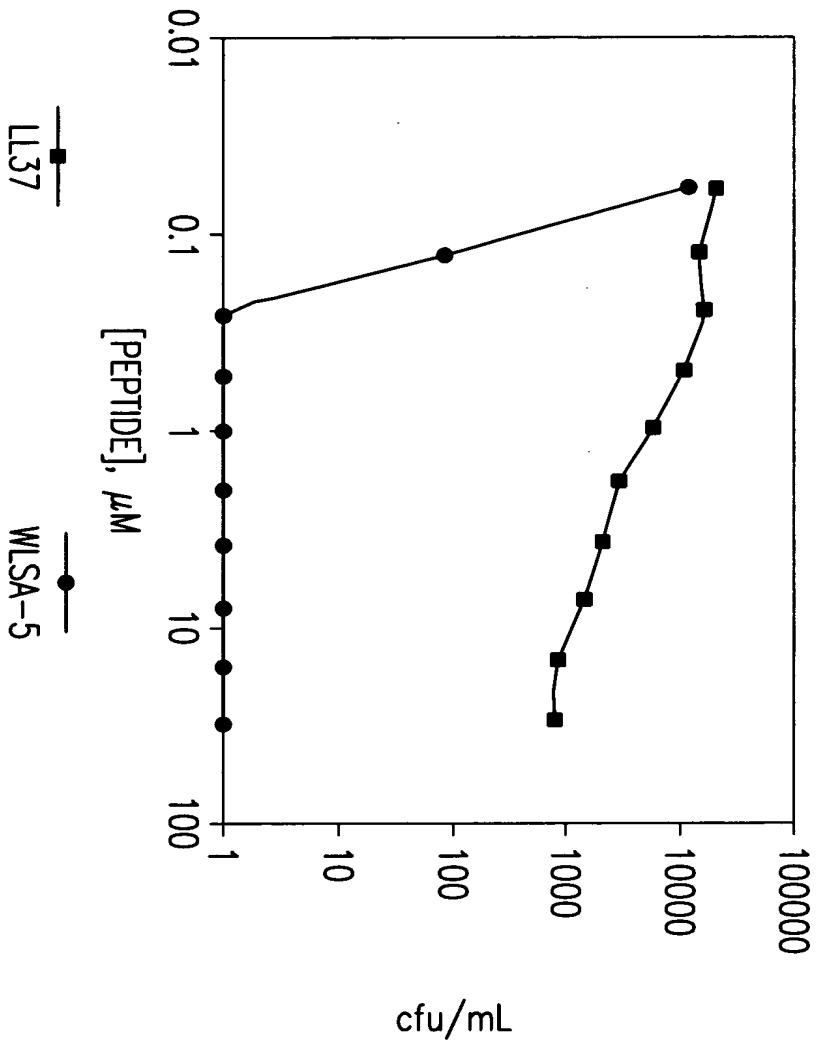
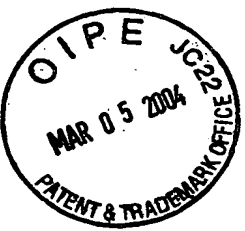


FIG.6



ACTIVITY OF LSA-5 VERSUS WLSA-5 AGAINST *BURKHOLDERIA CEPACIA*

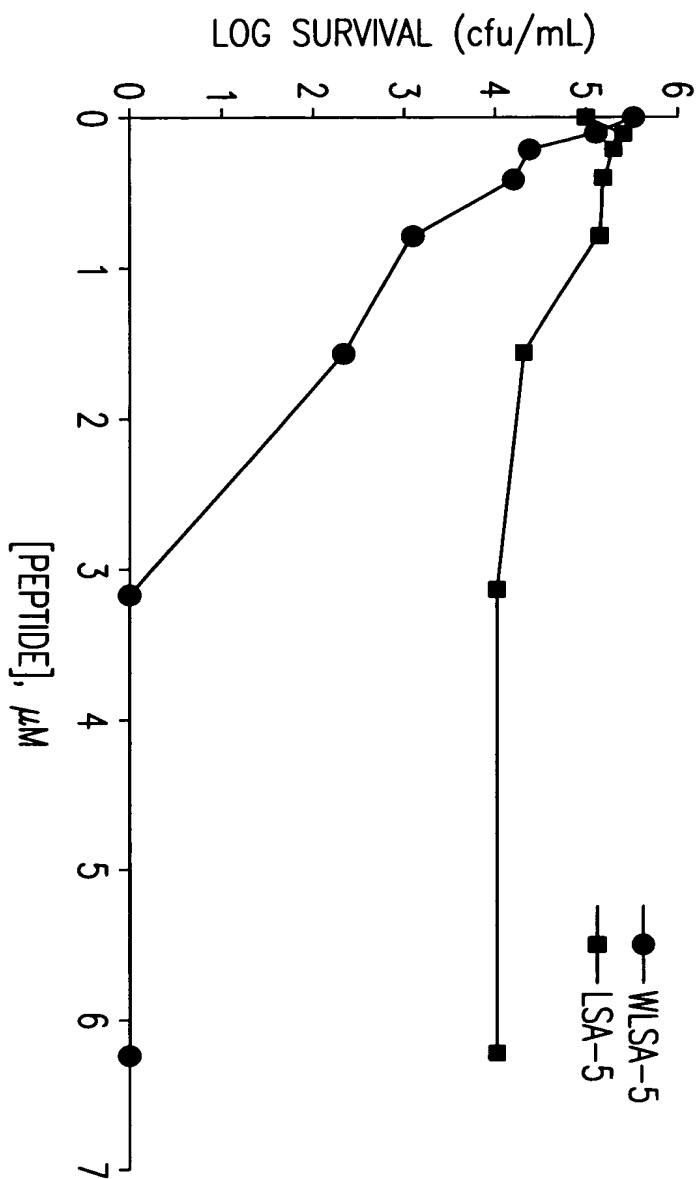


FIG. 7



ANTIBACTERIAL ACTIVITY OF WLSA-5 AND THE HOST DERIVED LL37 AGAINST 10 DIFFERENT STRAINS OF *B. CEPACIA* REPRESENTING MULTIPLE GENOMOVARS.

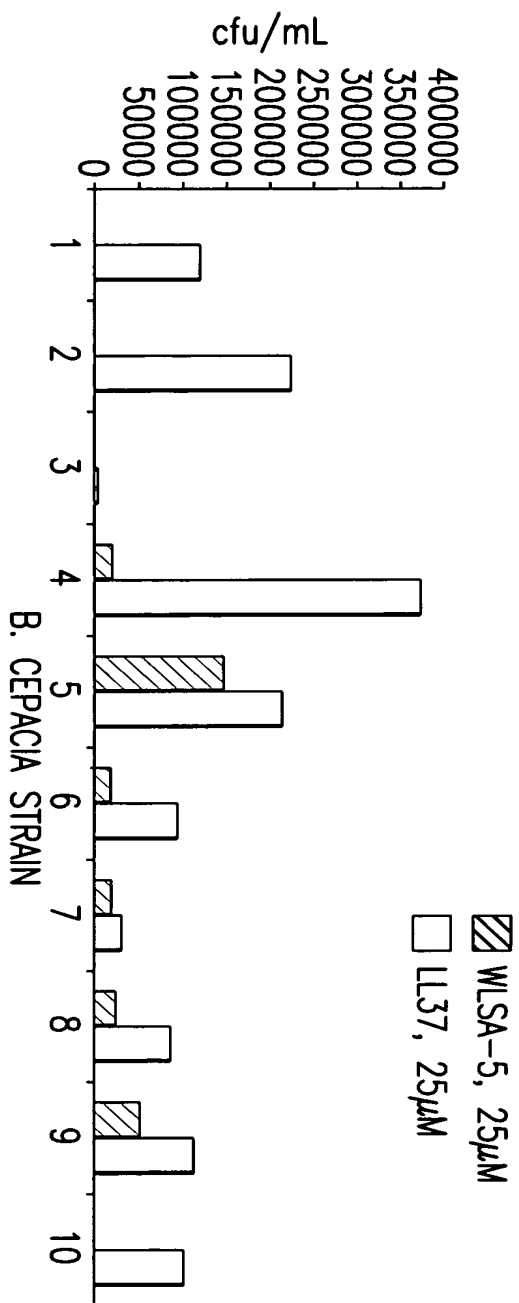


FIG.8



SELECTIVE TOXICITY OF WLSA-5 FOR *P. AERUGINOSA* BOUND TO CF HUMAN BRONCHIAL EPITHELIAL CELLS IN CULTURE

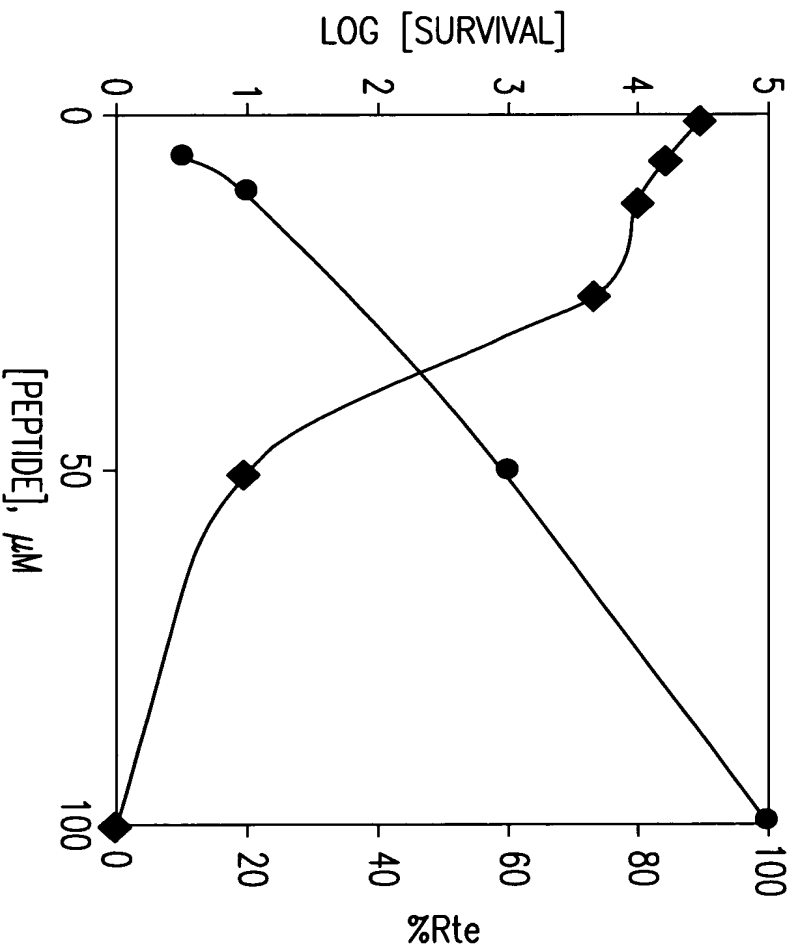
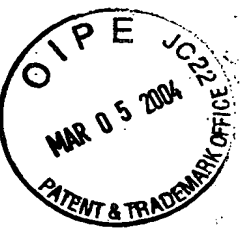


FIG.9



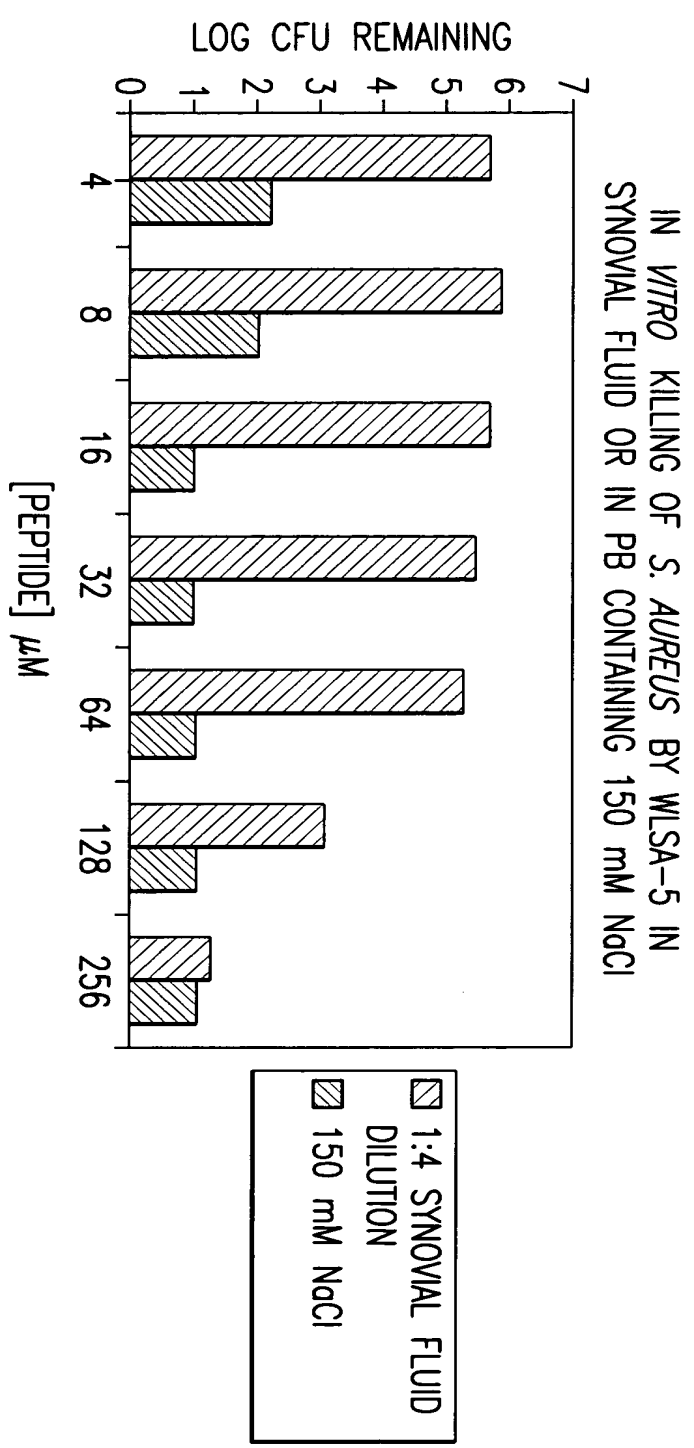


FIG.10

DOSE DEPENDENT DECREASE IN BACTERIAL KILLING RELATIVE TO THE UNTREATED CONTROL

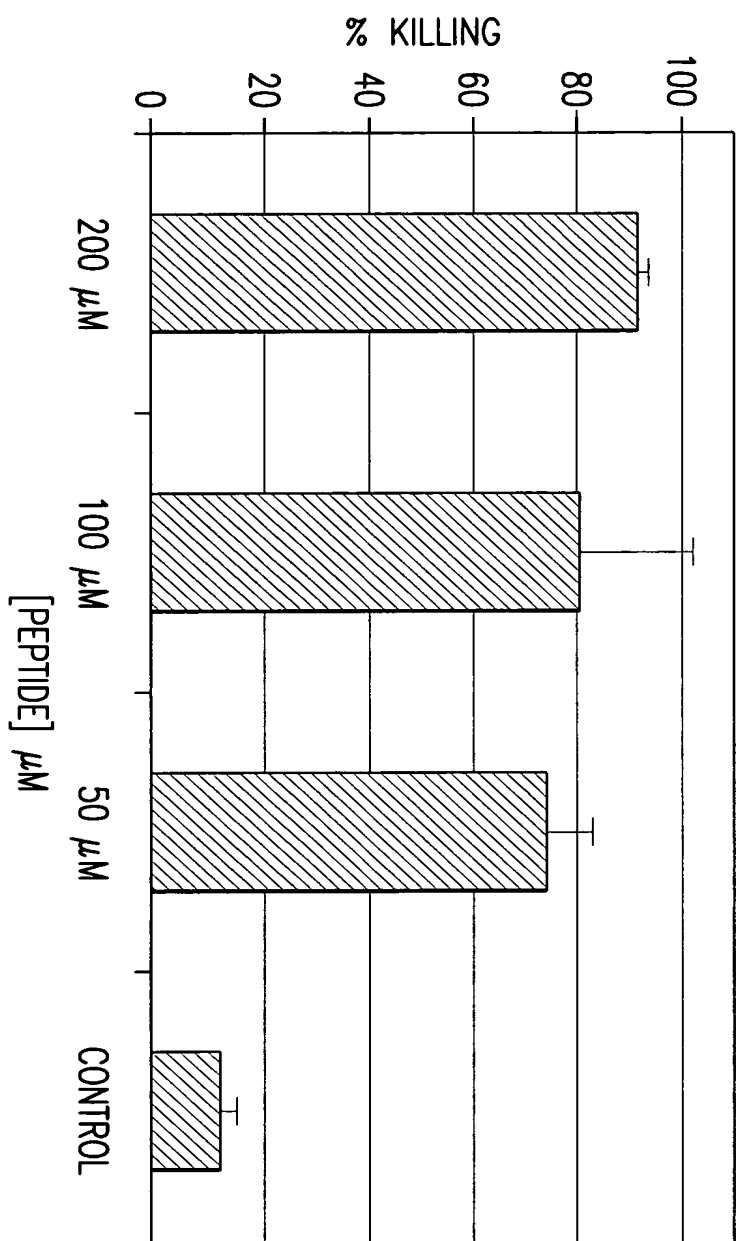


FIG. 11



LSA-5/NEOMYCIN BACTERIAL KILLING IN RABBIT JOINT MODEL

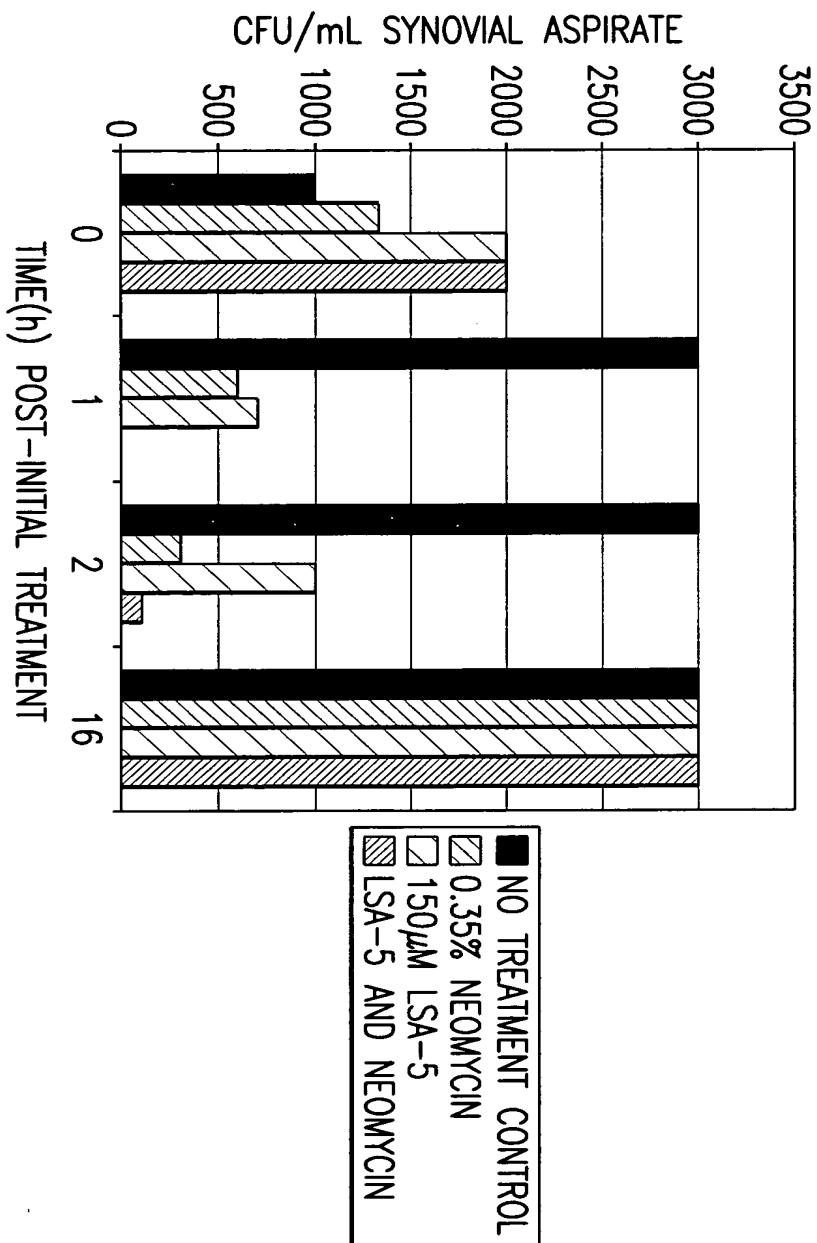


FIG.12



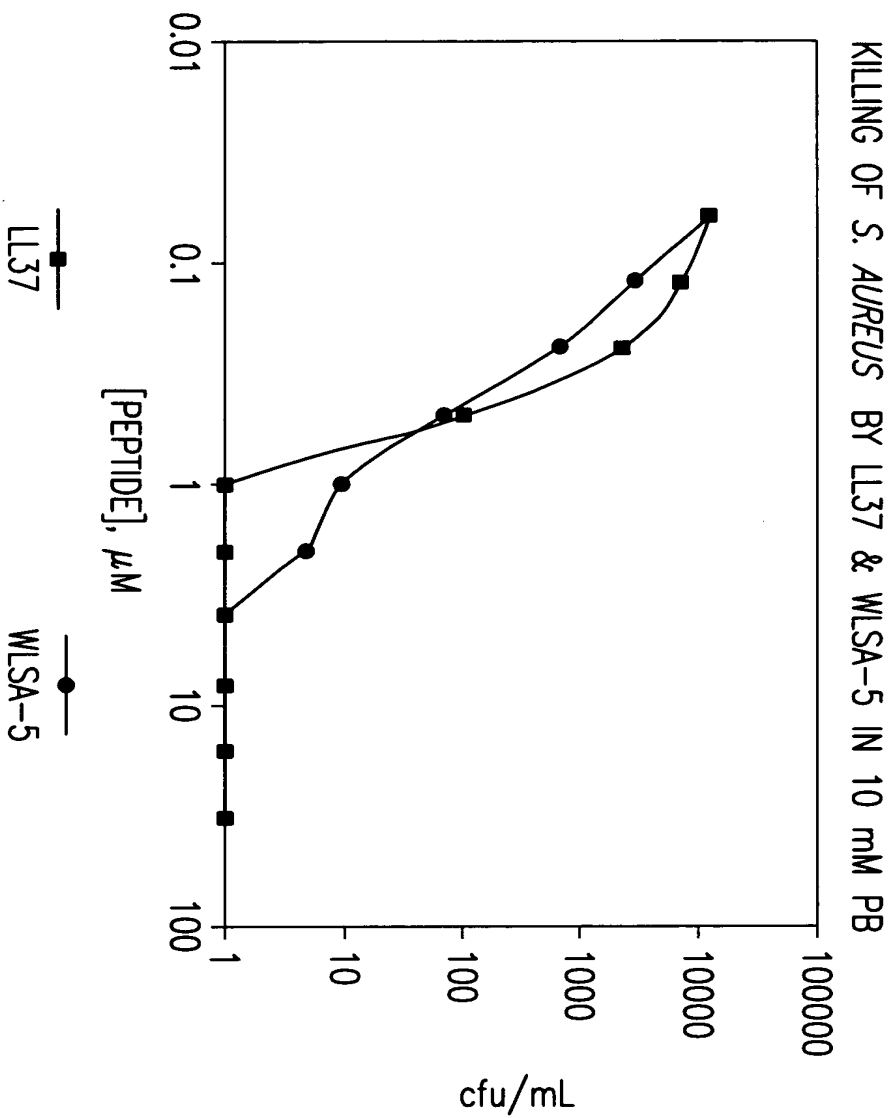


FIG.4



KILLING OF *P. AERUGINOSA* BY LL37 & WLSA-5 IN 10 mM PB PLUS 150 mM NaCl

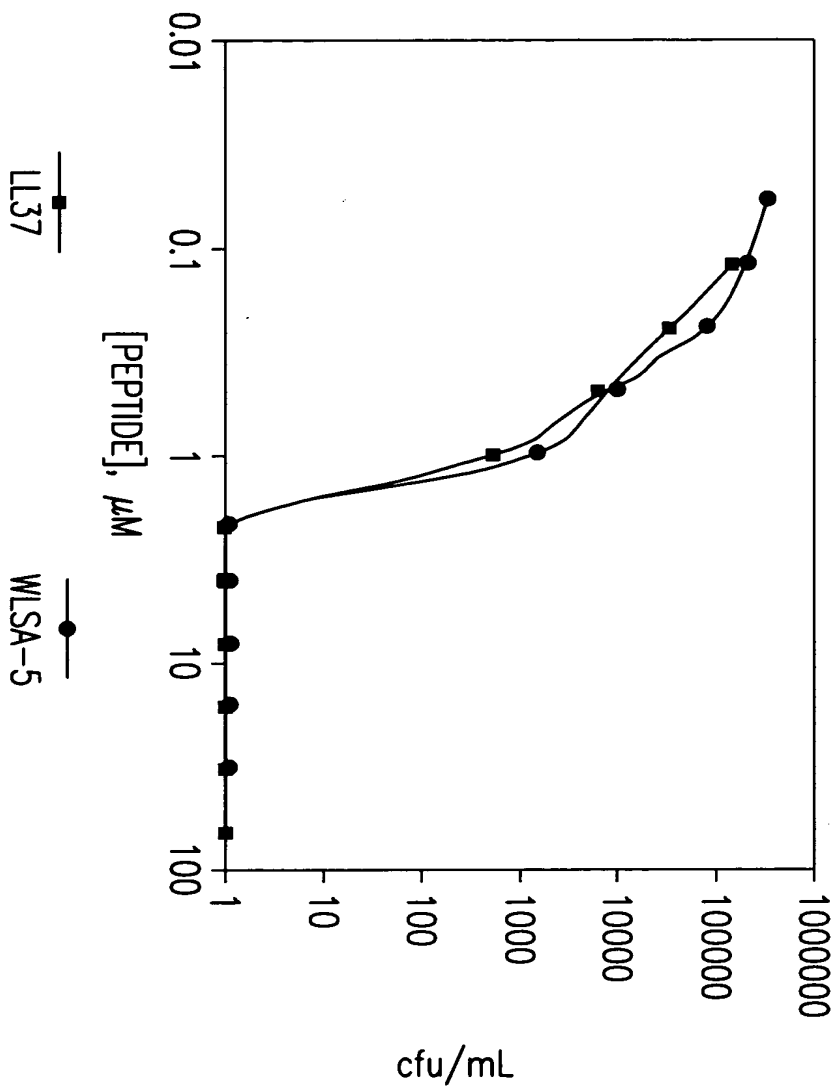


FIG.5

